

What is claimed is:

[Claim 1] 1. A conveyor system comprising:

- (a) a conveying surface; and
- (b) a lubricious liner adhesively attached to the conveying surface.

[Claim 2] 2. The conveyor system of claim 1, wherein at least a portion of the liner is embossed.

[Claim 3] 3. The conveyor system of claim 1, wherein the liner may be removed by peeling the liner from the conveying surface.

[Claim 4] 4. The conveyor system of claim 1, wherein the liner is adhesively attached to the conveying surface with an adhesive having a greater affinity for the liner than for the conveying surface.

[Claim 5] 5. The conveyor system of claim 1, wherein the liner comprises a material selected from the group consisting of polyolefins, polyvinyls, polyacrylics and polyesters.

[Claim 6] 6. The conveyor system of claim 1, wherein the liner comprises a material selected from the group consisting of polyvinyl chloride, polyvinyl acetate, ethylene vinyl acetate or a combination thereof.

[Claim 7] 7. The conveyor system of claim 1, wherein the liner comprises polyethylene terephthalate.

[Claim 8] 8. The conveyor system of claim 1, wherein the liner is adhesively attached to the conveying surface with a

pressure sensitive adhesive, a heat sensitive adhesive or a thermally activated adhesive.

[Claim 9] 9. The conveyor system of claim 1, wherein the liner is adhesively attached to the conveying surface with an acrylic adhesive.

[Claim 10] 10. The conveyor system of claim 1, wherein the liner is adhesively attached to the conveying surface with an adhesive selected from the group consisting of silicone adhesives, synthetic rubber adhesives, natural rubber adhesives and mixtures thereof.

[Claim 11] 11. The conveyor system of claim 1, wherein the liner provides a coefficient of friction between the liner and an article transported thereon of no more than 0.2 as measured by a short track conveyor test.

[Claim 12] 12. The conveyor system of claim 1, wherein the liner provides a coefficient of friction between the liner and an article transported thereon of no more than 0.18 as measured by a short track conveyor test.

[Claim 13] 13. The conveyor system of claim 1, wherein the liner provides a coefficient of friction between the liner and an article transported thereon of no more than 0.16 as measured by a short track conveyor test.

[Claim 14] 14. The conveyor system of claim 1, wherein the liner has a thickness of no more than 20 mils.

[Claim 15] 15. The conveyor system of claim 1, wherein the conveying surface comprises a material selected from the group consisting of polyacetal, nylon and stainless steel.

[Claim 16] 16. The conveyor system of claim 1, wherein the conveying surface is a conveyor belt, a conveyor track or a conveyor chain.

[Claim 17] 17. The conveyor system of claim 1, further comprising a lubricant composition coated onto the lubricious liner.

[Claim 18] 18. A system for transporting an article on a conveyor, the system comprising:

- (a) a conveying surface;
- (b) an article for transport on the conveying system; and
- (c) a lubricious liner adhesively attached to at least one surface of the article, wherein at least a portion of the liner is disposed between the conveying surface and the article.

[Claim 19] 19. The system of claim 18, wherein the article is a container.

[Claim 20] 20. The system of claim 18, wherein the liner comprises a material selected from the group consisting of polyolefins, polyvinyls, polyacrylics and polyesters.

[Claim 21] 21. The system of claim 18, wherein the liner is adhesively attached to the conveying surface with a pressure sensitive adhesive, a heat sensitive adhesive or a thermally activated adhesive.

[Claim 22] 22. The system of claim 18, wherein the liner provides a coefficient of friction between the liner and the conveying surface of no more than 0.2 as measured by a short track conveyor test.

[Claim 23] 23. A conveyor system comprising:

- (a) a conveying surface;
- (b) a stationary surface; and
- (c) a lubricious liner adhesively attached to the stationary surface, wherein at least a portion of the lubricious liner is embossed.

[Claim 24] 24. The conveyor system of claim 23, wherein the embossed portion of the lubricious liner provides a contact area of no more than about 0.001 in² per square inch of liner.

[Claim 25] 25. A method for lubricating the passage of an article on a conveying surface of a conveyor comprising:

- (a) adhesively attaching a lubricious liner to the conveying surface or to the article such that at least a portion of the liner is disposed between the article and the conveying surface; and
- (b) transporting the article along the conveying surface.

[Claim 26] 26. The method of claim 25, wherein at least a portion of the liner is embossed.

[Claim 27] 27. The method of claim 25, wherein the liner may be removed by peeling the liner from the conveying surface or the article.

[Claim 28] 28. The method of claim 25, wherein the liner comprises a material selected from the group consisting of polyolefins, polyvinyls, polyacrylics and polyesters.

[Claim 29] 29. The method of claim 25, wherein the liner comprises a material selected from the group consisting of polyvinyl chloride, polyvinyl acetate, ethylene vinyl acetate or a combination thereof.

[Claim 30] 30. The conveyor system of claim 25, wherein the liner comprises polyethylene terephthalate.

[Claim 31] 31. The method of claim 25, wherein the liner is attached to the conveying surface or the article with a pressure sensitive adhesive, a heat sensitive adhesive or a thermally activated adhesive.

[Claim 32] 32. The method of claim 25, wherein the liner is attached to the conveying surface or the article with an acrylic adhesive.

[Claim 33] 33. The method of claim 25, wherein the liner is attached to the conveying surface or the article with an adhesive selected from the group consisting of silicone adhesives, synthetic rubber adhesives, natural rubber adhesives and mixtures thereof.

[Claim 34] 34. The method of claim 25, wherein the liner provides a coefficient of friction between the liner and the conveying surface or the article of no more than 0.2 as measured by a short track conveyor test.

[Claim 35] 35. The method of claim 25, wherein the liner provides a coefficient of friction between the liner and the conveying surface or the article of no more than 0.16 as measured by a short track conveyor test.

[Claim 36] 36. The method of claim 25, wherein the liner has a thickness of no more than 20 mils.

[Claim 37] 37. The method of claim 25, wherein the conveying surface comprises a material selected from the group consisting of polyacetal, nylon and stainless steel.

[Claim 38] 38. The method of claim 25, wherein the conveying surface is a conveyor belt, a conveyor track or a conveyor chain.

[Claim 39] 39. The method of claim 25, wherein the lubricious liner is adhesively attached to a conveying surface, the method further comprising adhesively attaching a lubricious liner to a stationary surface of the conveyor.

[Claim 40] 40. The method of claim 25, further comprising applying a lubricating composition to the lubricious liner.

[Claim 41] 41. The method of claim 39, further comprising applying a lubricating composition to the lubricious liner on the conveying surface and the lubricious liner on the stationary surface.

[Claim 42] 42. The method of claim 25, wherein the article is a container.

